

contributed to the design and development of a variety of digital audio and video recorders, such as the compact disc, compact disc video, DAT, DCC, and multimedia CDs. In addition to his SMPTE membership, he is also a Fellow of the AES, the IEE, and the IEEE. He was the recipient of the 1994 Alexander Poniatoff Gold Medal for Technical Excellence.



The IEEE's Masaru Ibuka Consumer Electronics Award was established in 1987 and is presented for outstanding

contributions to consumer electronics technology.

SMPTE Secretary/Treasurer **Richard L. Thomas** has been named senior vice-president of sales and marketing at Deluxe Laboratories, Hollywood. A 28-year veteran of the Eastman Kodak Co., Thomas served as that company's sales and marketing manager in Hollywood for the past six years. Prior to that, he held such posts as Eastern regional district sales manager and coordi-



nator of engineering services for motion pictures and audio-visual markets. Thomas joined Kodak in 1967 as a photographic engineer after graduating from the University of Minnesota's Minneapolis Institute of Technology with a chemical engineering degree.

Roi Agneta has rejoined Chyron Corp. in the newly created position of vice-president of strategic planning. Agneta had worked for Chyron from 1974 to 1993, where he led the development of such graphics systems as Chyron IV, Scribe, Superscribe and iFiNiT!. He spent the last two years holding senior management positions with Dynatech Corp.'s Video Group.

Section Meetings

Atlanta September 18, 1995

The September meeting was held at Sony Electronics, Norcross, Ga. That company's Kenneth Hinson introduced his two colleagues, Don Faso and Duane Solem. Faso began the presentation with a basic tutorial on RAID technology. Solem followed with a discussion of the videostore (which was on display) and then moved conceptually through a description of an entirely networked electronic newsroom. Both presenters were sure to qualify their remarks by saying that software development is still under way to execute the entire plan. — Kathleen Wood (Secretary/Treasurer), Grass Valley/Tektronix

Chicago September 20, 1995

The speaker at the September meeting, Stevan Vigneaux, Avid Technology, provided an overview of the technology behind compressed video production and systems, beginning with a basic review of compression and disk-based editing systems. He then went on to explain data rate requirements for video and RAID disk subsystems in simple terms, and this led to discussion of network connectivity of a large multiuser system that may employ ethernet or ATM. The various pros and cons of these approaches were compared. Also considered were the issues of central servers as the key to a broadcast network topology. The different types of servers — such as file server, application server, and video-on-demand server — were described. Finally, after this hypothetical

system was constructed, potential developments for the future were reviewed. One such advantage might be Wide Area Production, which would allow picture files to be shared not only within one facility, but perhaps by a group of facilities worldwide. — Steve Robinson (Secretary/Treasurer), Serial Scene

Chicago October 10, 1995

There were 35 people at the October meeting, which was held at the Embassy Suites in Chicago. Christopher Romine, Sierra Design Labs, provided information that would be useful to facilities that operate graphics departments. He reviewed the various common network fabrics in use today and compared them relative to their speed, probable life span, industry acceptance, and cost. Also presented was a check list that can be used by a facility to help evaluate the network fabric that may be the best choice for its requirements. Once this foundation was established, Romine developed a model network based on the SCSI-2 fast connection between graphics workstations and other devices, stressing that SCSI has not generally been thought of as a network fabric. However, upon discussing its attributes relative to the previously discussed check list, it appeared to have many merits. His model was completed by the addition of a SCSI multiplexer, which combines multiple SCSI streams into a single SMPTE 259M video signal and RS-422 commands; these signals then connect to a large digital video disk array that operates as a server to the graphics department. Romine mentioned that this

SMPTE SECTION MEETINGS

Atlanta

For further information contact Secretary/Treasurer Kathy Wood, Grass Valley/Tektronix: (770) 493-1255.

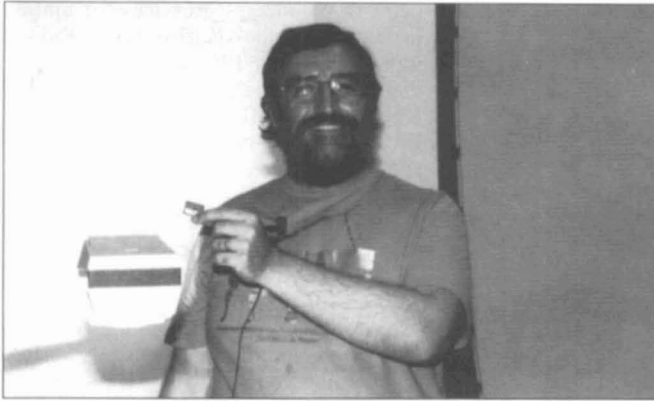
- Tuesday, January 8, 1996: "Update on Digital Imaging."
Host: Kathy Mazza, Kodak

Toronto

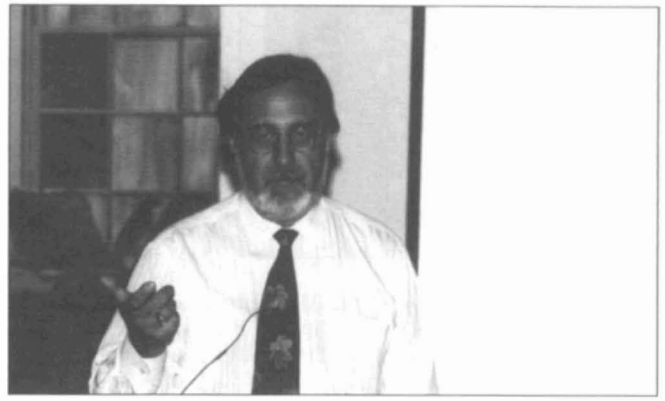
For further information contact Stephen Pumble, IMMAD: (905) 470-2545, ext 225, fax: (905) 470-2559.

- Wednesday, January 9, 1996: annual meeting distributed via satellite from Global Centre
Topic to follow
- Tuesday, February 13, 1996: location and topic to follow
- Tuesday, March 5, 1996: "Direct-to-Home Technology (DTH)"
location to follow
- Tuesday, April 9, 1996: location and topic to follow
- Tuesday, May 14, 1996: location and topic to follow
- Tuesday, June 11, 1996: location and topic to follow

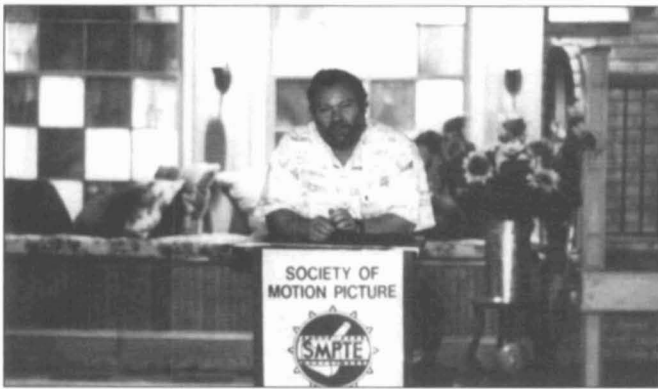
To publicize your Section events, please send announcements to SMPTE Headquarters, 595 W. Hartsdale Ave., White Plains, NY 10607, tel: (914) 761-1100, fax: (914) 761-1100. Information must be received by the 15th of the second month preceding issue date (e.g., November 15th for January issue).



Mark Schubin holds a 616 data storage tape at New York's May meeting.



Greg Ferguson addressed the New York audience in June.



New York Secretary/Treasurer John Martin looks out at his audience from the set of the "Ricki Lake Show" at the June meeting.



The transport of the DVCPRO VTR was illustrated by Steve Mahrer (left) and Nick DiLello at New York's September meeting.

departmental server solution is deliverable today and presently operating in a number of facilities. A demonstration of this model was set up for attendees to view following the meeting. — Steve Robinson (Secretary/Treasurer), Serial Scene

Detroit September 13, 1995

Twenty-two people attended the September meeting, held at WKBD-TV, Southfield, Mich. The evening's speaker, Larry Sayer, Tektronix, discussed his company's Profile System, a videodisc recording system that stores video and audio on computer hard drives. It has broadcast studio quality video and can be used as a disk cache, editing system, and time delay system; it can also handle station automation. The system demonstrated could record up to 9 hr of continuous program material with its 16.8 Gbytes of disk storage. There were 4 simultaneous digital video channels and 16 CD-quality digital audio channels. Adjustable time delay ranged from a few seconds to several minutes. The quality of the video, as viewed by the audience, was excellent, and the computer's software program appeared to be easily understood. The meeting ended after a short question-and-answer period.

— Harold L. Miller (Secretary/Treasurer), Harold Miller Associates

New York May 11, 1995

The May meeting, attended by some 90 members and guests, was held at Eastman Kodak's Digital Customer Imaging Center. The three-part meeting, called "Moving Images: Past, Present & Future," began with a series of guided tours of various Kodak electronic imaging systems, including Photo CD. This was considered the "present" portion. Next, Peter Keane, consultant to Home Box Office, took participants back to the past with a look at the multistrand Technicolor film process. One of Keane's stories concerned an explosion that sent him to the hospital and his giant Technicolor camera into a river. Bandaged, he returned to shoot the scene again with the salvaged camera. Consultant Mark Schubin finished the formal events of the evening with a look into the future — his annual report on what he saw at the NAB convention. Among the highlights were a color camera smaller than a Cavalier microphone, virtual set systems, more new tape recording formats than had ever previously been introduced in a single year, 21-in. color TV screens

only 2 1/2-in. thick, and a process for cleaning film by immersing it in a mercury bath. — Mark Schubin (Manager), Consultant

New York June 20, 1995

Forty members and guests were on hand for "Harmonics in the Workplace," held at Image Group Post in New York City. Gregory Ferguson, Power Quality International, demonstrated how to measure harmonic distortion and relieve it without building a new distribution system. He explained why a perfectly balanced 3-phase 120/208-V distribution system with 60 A of electronic loads per phase could generate in excess of 140 A of neutral current: these electronic loads use switchmode power supplies, which typically return 83% of their load current at 180 Hz, or the third harmonic. Since the third-order currents are in phase, they will add up arithmetically at the transformer's XO terminal and flow on the neutral. Also at the meeting were representatives from Fluke Corp., who demonstrated their full line of metering equipment, including the new Fluke 41 Harmonics Analyzer. This simple to use, yet powerful meter can pinpoint power

30th SMPTE Advanced Motion Imaging Conference

The Convergence Continues...
Computer Technology
and Television

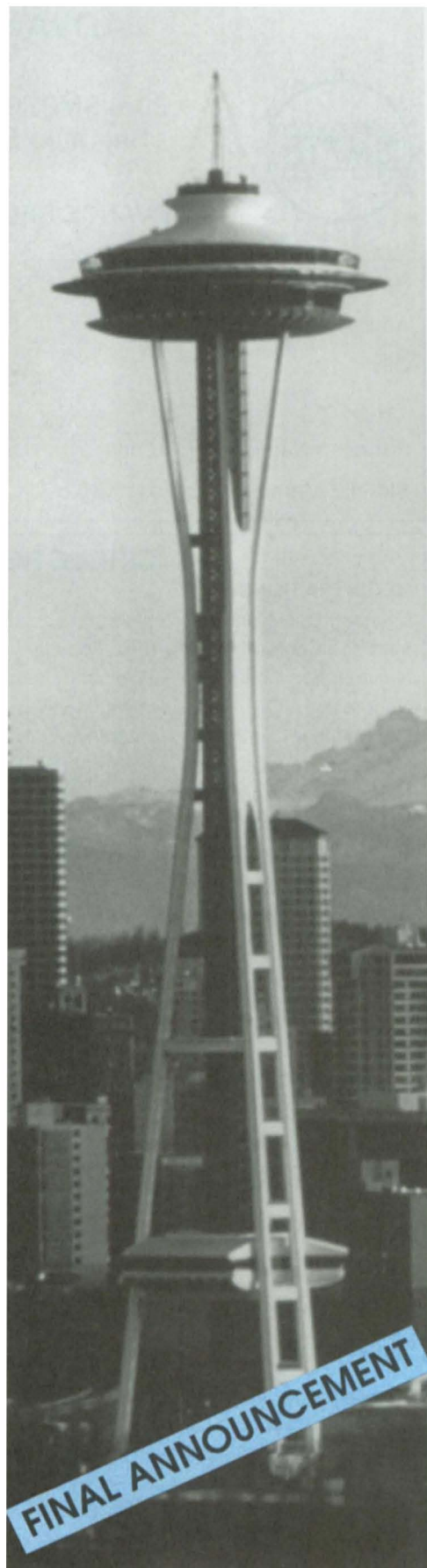
February 1 - 3, 1996
Seattle, Washington



Introduction to Digital Video
All-Day Workshop — Details Inside!

Save \$50.00!

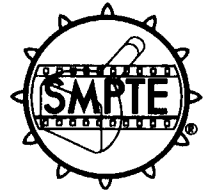
Advance Registration Deadline: January 12, 1996



ADVANCE REGISTRATION FORM



30TH SMPTe Advanced Motion Imaging Conference
Sheraton Seattle Hotel & Towers • Seattle, Wash.
February 1 - 3, 1996



ADVANCE REGISTRATION DEADLINE: JANUARY 12, 1996

Name _____	Company _____	
Address _____		
City _____	State/Country _____	Zip/Postal Code _____
Tel _____		Fax _____
Partner's Name (if registering) _____		
SMPTe Member? <input type="checkbox"/> Yes <input type="checkbox"/> No Membership Number _____		

CIRCLE REGISTRATION AND TICKETS DESIRED

REGISTRATION RATES	ADVANCED	ON-SITE
Member: Conference & Workshop (Luncheon Included)	\$385	\$435
Member: Conference Only (Luncheon Included)	250	300
Nonmember: Conference & Workshop (Luncheon Included)	485	535
Nonmember: Conference Only (Luncheon Included)	330	380
Life Member/Life Fellow: Conference Only (Luncheon Included)	50	50
Member: Workshop Only	135	155
Nonmember: Workshop Only	160	175
Student Member: Conference Only	15	25
Student Nonmember: Conference Only	25	35
Student Member: Workshop Only	50	75
Student Nonmember: Workshop Only	150	175
Get-Together Luncheon (if purchased separately)	40	50
TOTAL AMOUNT DUE	\$	

Receipt of Advance Registration will be acknowledged by mail.

Attention nonmembers! Yes! I would like to join the SMPTe now at a cost of \$80.00 and save \$20.00 on registration fees. I understand the member rate will save me \$100 on all future conferences.
NOTE: You must pay the nonmember registration rate; \$80.00 will be applied to your membership. Membership credentials will be mailed.

Payment Method (U.S. Funds Only):

Check Enclosed MC Visa AmEx

Acct. # _____ Exp. Date _____

Name on Card (print) _____

Signature _____

Please make all checks payable to SMPTe.

Mail your registration form and payment to:

SMPTe Registration
595 W. Hartsdale Ave.
White Plains, N.Y. 10607
Phone: (914) 761-1100 • Fax: (914) 761-3115

The advance registration form and payment must be received no later than **January 12, 1996**, in order to obtain reduced rates.

Do not use this form after **January 12, 1996**. All cancellations must be made in writing.
 A \$50 administrative fee will be applied to all cancellations.
 No refunds for cancellations postmarked after January 15, 1996.
Do not send this registration form to the Sheraton Seattle.

A Technical Introduction to DIGITAL VIDEO

Thursday, February 1, 1996, 8:30 a.m. to 5:00 p.m.

Presented by Computer Expert and Engineer Charles A. Poynton, based on his forthcoming book from John Wiley & Sons

- If you are a computer system designer, engineer, programmer, or technician, this course will help you learn how to use digital video technology to bring smooth motion and accurate color to computing.
- If you are a television professional, this course will help you to learn about digital images in computing so that you can apply your knowledge of video systems, equipment, and techniques to the emerging area of multimedia.

“It is easy to acquire, process, transmit, and display photographic-quality still color pictures with the use of computers and communications systems. The goals of smooth motion and accurate color reproduction are elusive, and the technologies of digital video necessary to achieve these goals have remained inaccessible to computer professionals.” — Charles A. Poynton

- Basic principles
- Raster images in computing
- Filtering and sampling
- Image digitization and reconstruction
- Luminance and lightness
- Gamma
- Color science for video
- Luma and color differences
- Component video color coding
- Composite NTSC and PAL
- Field, frame, line, and sample rates
- Electrical and mechanical interfaces
- 525/59.94 scanning and sync
- 525/59.94 component video
- 525/59.94 NTSC composite video
- 625/50 scanning and sync
- 625/50 component video
- 625/50 PAL composite video
- Broadcast standards
- Test signals
- Time code

HOTEL RESERVATION REQUEST

I will be attending the 30th SMPTE Advanced Motion Imaging Conference, February 1 - 3, 1996.

Name _____	Sharing with: _____	
Company _____	Address _____	
City _____	State/Province _____	Country _____
Postal Code _____	Tel _____	Fax _____
Date/Time of Arrival _____	Date of Departure _____	<input type="checkbox"/> Smoking <input type="checkbox"/> Non-Smoking
<input type="checkbox"/> Special Requirements _____		

Send your reservation form and payment to: **Sheraton Seattle Hotel and Towers, 1400 Sixth Avenue, Seattle, WA 98101, Phone: (206) 621-9000, Fax: (206) 621-8441.** Do not send this form to SMPTE Headquarters.

HOTEL RATES (CIRCLE YOUR CHOICE)

	Main Hotel	Club Level
Single Occupancy	\$110	\$140
Double Occupancy	\$135	\$165
Mini Suite	\$250	\$275
One Bay/One Bedroom	\$300	\$350
Two Bay/One Bedroom	\$450	\$520
Two Bay/Two Bedrooms	\$550	\$625

Rates do not include applicable city tax.

AMOUNT DUE: \$

Payment Method (check one):

- Check Enclosed (make payable to Sheraton Seattle)
- Credit Card (please specify)

Acct. # _____ Exp. Date _____

Name on Card (print) _____

Signature _____

One night's room and tax prior to December 30, 1995, to guarantee room; this amount is refundable only with 48 hours notice. Guarantee may be made with either check or major credit card. Reservations not guaranteed are subject to 4:00 p.m. cancellation. Reservations received after the deadline are subject to space and rate availability. Checks must be for U.S. funds drawn on a U.S. Bank.

Travel Discounts to Seattle

Carlson Wagonlit Travel is offering an exclusive SMPTE discount for travel to the 30th SMPTE Advanced Motion Imaging Conference in Seattle. By calling the official travel agency for SMPTE, you'll be eligible for specially discounted fares on United and Continental. For ground transportation, take advantage of SMPTE's special rates for Alamo. Call **1-800-283-8747** to make your reservations.

Social Events

Plans are to hold a Get-Together Luncheon and SMPTE Evening Reception. Both are included in the price of full conference registration. The luncheon will feature a speech by an industry professional. An informal partners program will be available for those accompany conference attendees to Seattle. For specific details on the partners program, contact the SMPTE Marketing Department.

Technical Proceedings

Those who have registered for the full conference will receive a complimentary copy of the *Proceedings*, featuring select papers from the technical program. Others may purchase the book at the SMPTE Store.

Additional Information

Please take a few minutes now to complete the registration form provided and return with your payment to SMPTE.

For the most up-to-date information on the conference, contact the Marketing Department at SMPTE Headquarters, 595 W. Hartsdale Ave., White Plains, NY 10607, (914) 761-1100; fax: (914) 761-3115; e-mail: mktg@smpte.org.

“SMPTE members are the guardians of both quality and interoperability. In an era of digital media where hype continually outpaces market opportunity, SMPTE's technical conferences and industry demonstrations highlight what is commercially deliverable today...and tomorrow.” Richard F. Doherty, Director, The Envisioning Group



**30th SMPTE ADVANCED
MOTION IMAGING CONFERENCE**

February 1 to 3, 1996 • Seattle, Washington

SMPTE
595 West Hartsdale Avenue
White Plains, NY 10607-1824

About the SMPTE

Celebrating our 80th year, the Society of Motion Picture and Television Engineers is an international, award-winning technical society devoted to advancing the theory and application of film, television, video, computer imaging, telecommunications, and the related arts and sciences. The SMPTE currently serves nearly 10,000 members in 72 countries. Members of the Society are engineers, technical directors, cameramen, editors, technicians, and consultants; specialists in film processing, production, post-production; and practitioners in computer imaging, marketing, sales and manufacturers representatives.

Papers Submitted for Program

"The Convergence Continues. . . Computer Technology and Television" will address the technologies that are changing the face of the motion imaging industry. The following are paper presentations that have been submitted for consideration to Program Chair Brian Lay, KING-TV.

NOTE: Papers shown are those that have been presented prior to press time. The list of approved papers will be in the official conference program, available in the registration area of the Sheraton Seattle.

Friday, February 2, 1996

Storage

- The Time Machine, *William B. Hendershot III, Prime Image, Inc., San Jose, Calif.*
- EFP — Field Recording, *H. Kiriya and H. Takekoshi, Sony Corp., and K. Iwasaki, Sony Electronics*
- FARAD: A Storage System for Random Real-Time Data, *Takashi Totsuka and Yasunobu Kato, Sony Corp. Research Center*

Generation and Authoring Tools

- Practical Implementation of Advanced Television: Update 1996, *William Y. Zou, PBS, Alexandria Va.; James A. Kutzner, Twin Cities Public Television, St. Paul, Minn.; and A. Bruce Jacobs, Prairie Public Television, Fargo, N.D.*
- New DSP-Based Studio Platform, *John Nitzsche and Larry Baxter, Mercury Computer Systems, Chelmsford, Mass.*
- Issue of Contention, *Richard J. Echeita, DirectTV, Inc., El Segundo, Calif.*

“The Winter SMPTE conference is one of the world's most important annual gatherings of technical expertise on the current status and future potential of moving-image technology. It's where leading innovators come together to share their knowledge and suggest solutions to tomorrow's dynamic media challenges. It's a must for everyone interested in such technology issues. That's why I'll be at the SMPTE 30th Advanced Motion Imaging Conference this February.” — Brian McKernan, Editor, *Videography Magazine*

Saturday, February 3, 1996

Delivery and Distribution

- Distributed Facility Control Via Ancillary Data, *William C. Miller and Alfred Molinari, Capital Cities/ABC, Inc., New York, N.Y.*
- Aspects of Testing in the Convergence of Television and Telecommunications, *David K. Fibush, Tektronix, Inc., Beaverton, Oreg.*
- Delivery of Distance Learning Content Across High-Speed and Low-Speed LANs in a Campus Environment, *David H. Dirks and Doug Coffland, Lawrence Livermore National Lab (University of California), Livermore, Calif.*
- Motion-Picture Delivery Using the Internet, *Bob Davis, Iterated Systems, Atlanta, Ga.*
- Video and Unshielded Twisted Pairs, *Stephen H. Lampen, Belden Wire & Cable, Richmond, Ind.*
- Switching and Splicing of MPEG-2 Transport Streams, *Bill Helms and Mike Perkins, DiviCom, Boulder, Colo.*
- SDI: The Ubiquitous Television Pipeline, *Peter A. Dare, Sony Electronics, San Jose, Calif.*
- A Serial Digital Interface for HDTV, *M. Ueda, S. Yamashita, K. Tomita, and N. Kobayashi, Sony Corp.*

Presentation and Display

- Picture-Quality Assessment in Video Compression, *G. M. Drury, NTL, Advanced Products Division, Hampshire, U.K.*
- Investigation of DMD-Based Display for Integrated Computer and Television Application, *Vishal Markandey, Greg Hewlett, and Greg Pettitt, Texas Instruments, Dallas, Tex.*
- Temporal Rate Issues in New Digital Television Systems, *Gary Demos, DemoGraFX, Santa Monica, Calif.*
- PDP Display Controller, *Yukio Otobe, Fujitsu Laboratories, Ltd., Kawasaki, Japan*

30TH SMPTE Advanced Motion Imaging Conference

The Convergence Continues...Computer Technology and Television

The Society of Motion Picture of Television Engineers, celebrating 80 years of service to the motion imaging profession, will present its 30th Advanced Motion Imaging Conference, featuring a technical program with intellectual papers on the cutting edge of motion imaging technology. The conference is the industry's leading forum for disseminating technical information and debating the latest trends associated with television and the associated computer arts and sciences. The site for this year's event is the Sheraton Seattle Hotel & Towers.

Day-Long Course to Precede Conference...

A Technical Introduction to Digital Video

Thursday, February 1 (8:30 a.m. to 5:00 p.m.)

Charles Poynton, author, engineering, and computer expert will present a day-long course on "A Technical Introduction to Digital Video". The course is based on Poynton's forthcoming book by the same name, and every attendee will receive a copy.

Charles Poynton is a Fellow of the SMPTE who in 1994 was awarded the Society's David Sarnoff Gold Medal for his work to integrate video and computing technology. He is currently working to integrate video technology — particularly HDTV, digital compression, and accurate color reproduction — into computer workstations. A sampling of his achievements include the initiation of an HDTV workstation project and the introduction of color technology at Sun Microsystems, where Poynton also designed and built the digital video equipment that is in use at NASA's Johnson Space Center. The technology is used to convert video from the Space Shuttle into NTSC for recording and distribution.

Papers Program

Friday, February 2, and Saturday, February 3

"The Convergence Continues...Computer Technology and Television" will feature papers on the technologies that are changing the face of the television and computer imaging industries. Presentations will include practical applications on how digital technologies solve problems and exploit opportunities in engineering, science, research, education, and the arts.

“Attend the SMPTE winter conferences because they give me an advance look at where the important video technology is going. This helps me ensure that my readers are always up-to-date on the latest ideas and ways to keep their facilities profitable.” — Brad Dick, Editor, *Broadcast Engineering Magazine*

Sessions

SMPTE's technical program will feature four sessions — Storage, Generation and Authoring Tools, Delivery and Distribution, and Presentation and Display — with an emphasis on the convergence of multimedia, computing technology, and television interface.

For more information regarding the papers program, contact Marilyn Waldman, SMPTE Editorial/Program Coordinator, 595 W. Hartsdale Ave. White Plains, NY 10607, (914) 761-1100, Fax: (914) 761-3115. e-mail: 71263,337@compuserve.com.

Advance Registration Discount: \$50.00

Deadline: January 12, 1996

Save time and money! No waiting in lines to complete forms! To register in advance for the SMPTE Conference and qualify for the \$50.00 discounted early-bird rate, the completed registration form (including payment) must be postmarked by **January 12, 1996**. Do not use the advance registration form after January 12, 1996, instead, complete an on-site registration form when you arrive at the conference.

On-Site Registration Hours

Wednesday, January 31 :3:00 p.m. - 7:00 p.m.
Thursday, February 1 :8:00 a.m. - 6:00 p.m.
Friday, February 2 :8:00 a.m. - 6:00 p.m.
Saturday, February 3 :8:00 a.m. - 12:00 Noon

Housing Reservations

The Sheraton Seattle Hotel & Towers is the official SMPTE Headquarters hotel. Housing is open through December 30, 1995. All reservations must be made directly with the Sheraton.

Reservations received after December 30 will be assigned on a space-available basis. A reservation form is included in this brochure. Please complete it and return to the hotel via fax or mail prior to **December 30, 1995**. All rooms require a guarantee in the amount of one night's room and tax.

“Attend SMPTE Conferences because they keep me and my readers on the cutting edge of technology.” — Michael Silbergleid, Editor, *Television Broadcast*



At the Rochester meeting in September (left to right): Alan Masson, Charles Wilson, Chris Scarafile, Walter Dixon, and Vince Slavin.

problems quickly and accurately. — John Martin (Secretary/Treasurer), MTI/The Image Group

New York September 28, 1995

Sixty members attended a mini-tutorial on digital VTR maintenance, held at Unitel Studios. A panel of experts — which consisted of moderators Rich Torpey, NBC, and Nick DiLello, Sony, as well as Taki Kohiyama, NBA Entertainment; Steve Mahrer, Panasonic; and Steve Sarafian and Doug Bierschenk, Sony — offered advice on how to optimize the performance of D-1, D-2, D-3, digital Betacam, and DVCPRO VTRs. Each tape format was addressed individually, and a representative product was on hand for demonstration and analysis. — Nick DiLello (Manager), Sony

Pasadena City College September 12, 1995

The first meeting for the 1995-1996 school year, which was attended by 32 people, began with an overview of the history of the SMPTE and was followed by an account of the fall conference in New Orleans and a report of the chapter's activities over the past year. Membership information was explained and applications were distributed, and the group was encouraged to attend that evening's Hollywood Section meeting. The next order of business was the election of the student chairman; student member John E. Lopez was elected by popular vote. — John E. Lopez (Student Chairman)

Pasadena City College September 26, 1995

Twenty-nine people turned out to hear freelance cameraman Thomas McKenney explain his career path after studying at Pasadena City College. He told the group how different positions function in the industry, and he recommended going to a small market to gain experience. Among many

organizations he has worked with are CBS, NBC, BBC, ESPN and the Fuji Network; he provided examples of his experience of working in the field as a director, producer, and camera operator. He stated that in order to make it in the industry one must be fast, able to make decisions, and courteous; he also noted some of the "glamorous" sides of the industry, including early morning call times and 16-hour days. Information about the Press Photographers Association was provided for those who were interested. — John E. Lopez (Student Chairman)

Rochester September 28, 1995

The September meeting featured a finalist screening of eight productions by film and video students from New York State. Seventy-three people attended the 18th Annual Student Film and Video Festival for New York Students, which was held at the Carlson Auditorium at the Rochester Institute of Technology. This film festival was sponsored by the Rochester Section and The Rochester AudioVisual Association. The first place winners were: for nonfiction, "As You Were" by Chris Scarafile; for computer animation, "Boxes" by George M. Nadeau; and for fiction, "Girl Talk" by Kelly Mearkle and Rachel Manning. This gala event was followed by a casual dinner at the Olive Garden. — Walt Snyder II, (Secretary/Treasurer) Eastman Kodak Co.


Russian September 28, 1995

Fifty-three people came to the meeting, held at NIKFI. Jerry Shtutsman, Crown Co., gave an overview of his company, which included the story of its creation as well as its sphere of activity and its strategy for the Russian market. His discussion also focused on the technological issues of professional sound technical equipment manufacturing using complex innovative techniques. A. V. Pavloushin, CMC Co., spoke about the new professional amplifiers now available as well as about pro-

grammed input processors and IQ systems supported by both MS-DOS and Macintosh platforms. NIKFI's A. E. Shribeman, V. A. Ginzburg, and A. P. Seretso concluded the meeting by discussing various work being done by their company. — Natalia V. Alekseyeva (Secretary/Treasurer), Cinema Photo Research Institute

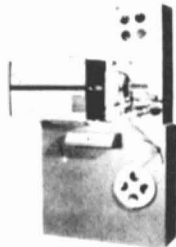
San Francisco September 23, 1995

Thirty members and guests met in Walnut Grove, Calif., the site of Sacramento's TV transmitters and antennas. The San Francisco and Sacramento Sections joined for a tour of the awesome towers. Rod Robinson, KXTV-10, Stan Ryno, KOVR-13, Carl Gustafero, Microwave Radio, and Gregg Orr, LeBlanc Tower, spoke about television transmitters, towers, and STL microwave links; each speaker gave a 5 to 10-minute talk and then answered questions from the lively group. This was a rare opportunity to visit the Walnut Grove transmitter/antenna site. Three copper transmission lines feed two signals up to the antennas, with a spare in case one line develops arcing or loss of pressurization. The tower visited by the attendees was built to carry HDTV transmitting antennas in addition to the VHF television antennas currently in use. — Charles Hintz (Secretary/Treasurer), KTVU/FOX



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FILM RECORDERS,
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The Standard of Hollywood and the World



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 - Video Tape-Film Interlock Systems
- Total Facility Engineering, Consultation and Design

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